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(54) COMMUNICATION OF MULTI-PART MESSAGE BETWEEN CELLULAR DEVICES USING STANDARDIZED INTERFACE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide fragmentation and reassembly of a multi-part message for a communication over a cellular network.

SOLUTION: When transmitting a multi-part message, a calling application issues a function call to a short messaging layer via a standardized interface. The short messaging layer then divides the message into fragments of limited size that meet the size requirements of the cellular network. Each of the short messages is then transmitted across the cellular network. Then, a short messaging layer at the receiving device receives various short message fragments corresponding to the multi-part message. Then, the short messaging layer reassembles the short message fragments into the multi-part message, and then passes the reassembled multi-part message to the receiving application.

